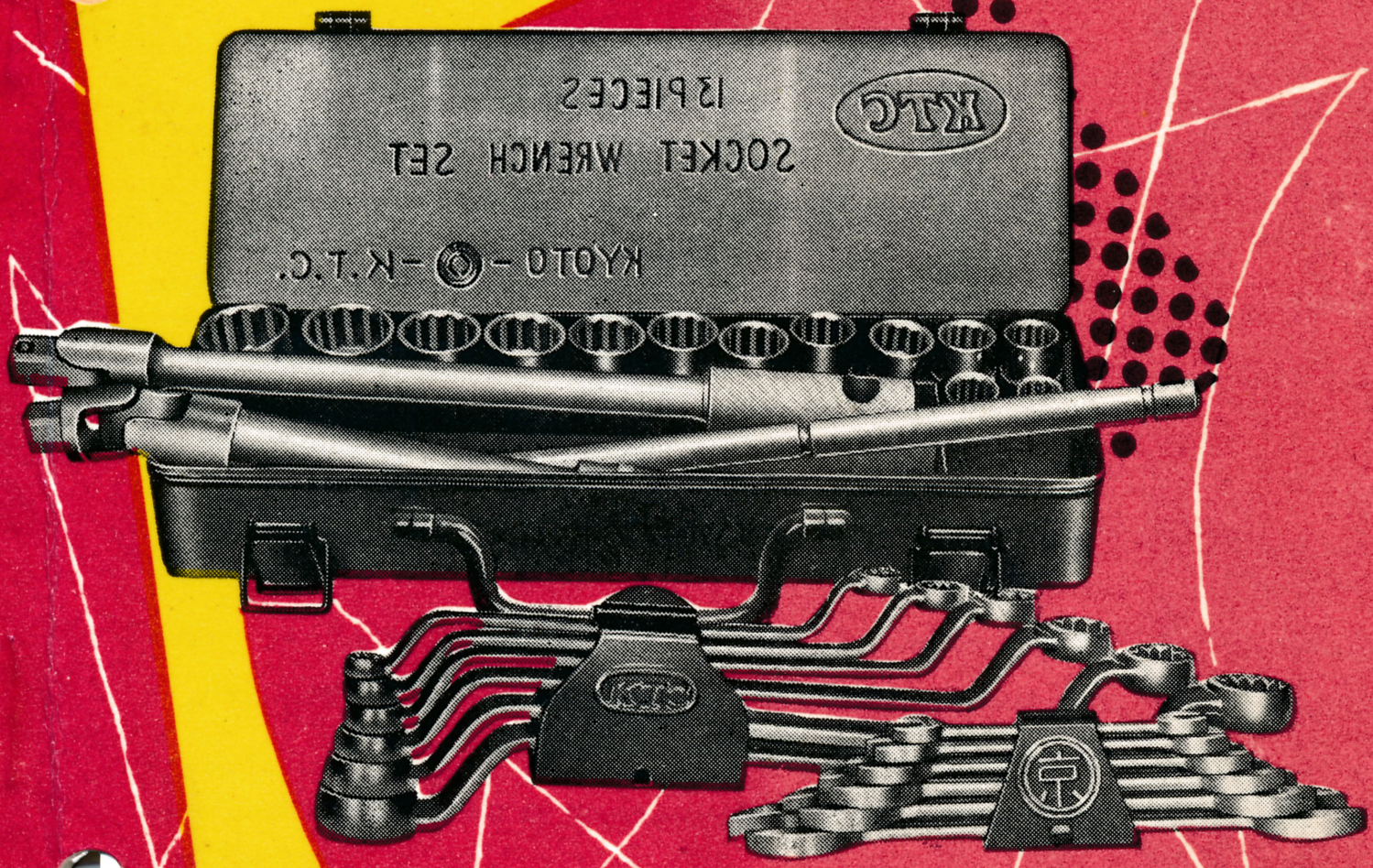
AUTOMOTIVE WRENCHES



KTC

KYOTO MACHINE TOOL CO., LTD.
(KYOTO KIKAIKOGU K.K.)
KYOTO JAPAN

Your Guide

TO FINE HAND SERVICE TOOLS FOR

AUTOMOBILES TRUCKS, BUSES & E.T.C

AIRPLANES TRACTORS FARM IMPLEMENTS

RAILROADS MINES REFINERIES

SHIPS AIR CONDITIONING REFRIGERATION

MACHINES OTHER FACTORY EQUIPMENT POWER PRANTS

OUR GUARANTEE

Kyoto K.T.C. tools are built to meet the particular and exacting working requirments of professional mechanics. The product of an organization that is committed to the highest quality it is possible to produce.

Every tool is rigidly inspected before it leaves the factory, however, any tool which may prove defective in materials or workmanship will be cheerfully replaced. For obvious reasons we can not replace tools that have been abused or misused, such as grinding, filing or deliberately broken.

Neither can we make free replacement on tools that have been worn out from actual use.

Our guarantee always has been and always will continue to be faithfully lived-up-to.

Adjustments are made promptly on the basis of our fair dealing with you and your fair dealing with us.

Manufactured by

KYOTO MACHINE TOOL CO., LTD.

K.T.C. Open End Wrenches

Openings at 15° Angle

Drop forged of our Alloy Steel, this line of open end wrénches has through the years become the standard of comparison for other wrenches of similar type Heads are thin and pear shaped providing more turning room Openings are precision-milled, providing a firm, accurate fit to the nut or bolt head without any possibility of slippage

Heat treated their entire length, they are nickelplated and have polishedh eads. Any mechanic will be proud to have an assortment of K.T.C. Open End Wrenches in his kit.

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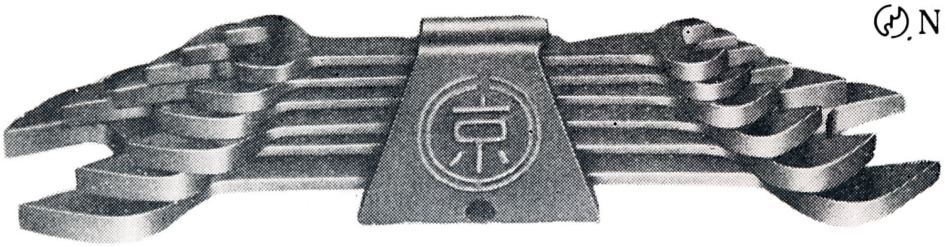
Double Open End Wrench (Spear Type)

No. 1977



Type No. T-3S (Inch Size)

Stock No.	Size of Openings in inches	Head Thickness	Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
CS 1012	5/16 × 3/8	5	110	… …	… …	… …
〃 1314	13/32 × 7/16	6	125	… 1/4	… …	… 1/4
〃 1618	1/2 × 9/16	6.5	140	5/16 & 3/8	1/4 …	5/16 & 3/8
〃 1922	19/32 × 11/16	7	160	… …	5/16 & 3/8	… …
〃 2024	5/8 × 3/4	7.5	180	7/16 & 1/2	… …	7/16 & 1/2
〃 2528	25/32 × 7/8	8	210	… 9/16	7/16 & 1/2	… 5/8
T3S—H	Holder					

T ype No. T-9S (m/m Size)

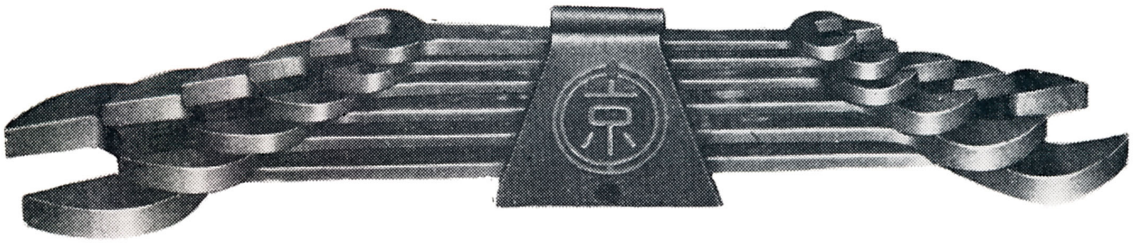
Millimetre size set used for Toyota and European car.

Stock No.	Size of Openings in m/m	Head Thickness	Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
MCS 0607	6 × 7	4	95	3 & (3.5)	… …	… …
〃 0809	8 × 9	5	110	4 & (4.5) 5	… …	… …
〃 1012	10 × 12	6	130	6 …	… 8	… …
〃 1214	12 × 14	6.5	140	… 8	8 & 10	… …
〃 1417	14 × 17	7	160	8 & 10	10 …	… 3/8
〃 1719	17 × 19	7.5	185	10 …	… 12	3/8 & 7/16
〃 1921	19 × 21	7.5	200	… 12	12 & 14	7/16 & 1/2
〃 2123	21 × 23	8	215	12 & 14	14 & 16	1/2 …
〃 2326	23 × 26	9	230	14 & 16	16 & 18	… 5/8
T9S—H	Holder					

All dimensions except openings are only approximate ones.

TO— K.T.C. KYOTO— K.T.C. KYOTO— K.T.C. KYOTO— K.T.C.
C. KYOTO— K.T.C. KYOTO— K.T.C. KYOTO— K.T.C. KYOTO— K.

Double Open End Wrench (Long Type)



Type No. T-3L (Inch Size)

Stock No.	Size of Openings in inches	Head Thickness	Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
CL 1214	3/8 × 7/16	5.5	135	… 1/4	… …	… 1/4
〃 1618	1/2 × 9/16	6	160	5/16 & 3/8	1/4 …	5/16 & 3/8
〃 1920	19/32 × 5/8	6.5	180	… 7/16	5/16 …	… 7/16
〃 2224	11/16 × 3/4	7.5	215	… 1/2	3/8 …	… 1/2
〃 2528	25/32 × 7/8	8	240	… 9/16	7/16 & 1/2	… 5/8
〃 3032	15/16 × 1	9	270	5/8 …	9/16 …	… 3/4
T3L—H	Holder					

Type No. T-9L (m/m Size)

Millimetre size set used for Toyota and European car.

Stock No.	Size of Openings in m/m	Head Thickness	Overall Length	S.A.E.	O.S.S. Nut	U.S.S. Cap Sc.
MCL 0809	8 × 9	4.5	120	4 & (	… …	… …
〃 1012	10 × 12	5.5	140	6 …	… 8	… …
〃 1214	12 × 14	6	160	… 8	8 & 10	… …
〃 1417	14 × 17	6.5	190	8 & 10	10 …	… 3/8
〃 1719	17 × 19	7.5	210	10 …	… 12	3/8 & 7/16
〃 1921	19 × 21	7.5	230	… 12	12 & 14	7/16 & 1/2
〃 2123	21 × 23	8	250	12 & 14	14 & 16	1/2 …
〃 2326	23 × 26	9	270	14 & 16	16 & 18	… 5/8
T9L—H	Holder					

All dimensions except openings are only approximate ones.

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K.T.C. Combination Wrenches

The advantages of K.T.C. Combination Wrenches which provide an open end and box wrench each with the same size opening, in the same tool are readily apparent to the experienced mechanic. They permit using the type of opening most applicable to the job at hand without changing wrenches.

They are available with a wide range of openings and are adaptable for work on carburetors, generators, manifolds, clutches, staters, as well as general service work on trucks. tractors, buses, and all types of farm, industrial, all drilling and refinery equipment.

Drop forged of K.T.C. Steel, carfully heat-treated and Nickel-plated with polished heads. Handles are long, thin and oval-shaped, providing a firm comfortable grip and maximum leverage. The box end has double hexagon opening with head set at 10° to give proper clearance. The open end is angled at 10° for efficiency.

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One End Open Combination Wrench

Type No. T-4D (Ineh Size)

Stock No.	Size of Openings both ends	Head Diameter		Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
		Box end	Open end				
COD 14	7/16	16.5	23	100	1/4	···	1/4
〃 16	1/2	19	26.5	180	5/16	1/4	5/16
〃 18	9/16	21	30	200	3/8	···	3/8
〃 20	5/8	23	33.5	210	7/16	···	7/16
〃 24	3/4	27	40.5	235	1/2	···	1/2
〃 28	7/8	31	46.5	280	9/16	1/2	5/8

Type No. T-5D (m/m Size)

Millimetre size set used for Toyota and European car.

Stock No.	Size of Openings both ends	Head Diameter		Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
		Box end	Open end				
MCOD 10	10	15	21	140	6	···	···
〃 12	12	18	25	160	···	8	···
〃 14	14	20.5	29.5	180	8	10	···
〃 17	17	24.5	35.5	210	10	···	3/8
〃 19	19	27	40	235	···	12	(7/16)
〃 21	21	29.5	44	260	12	14	1/2
〃 23	23	32	48	280	14	16	···
〃 26	26	36	54.5	315	16	18	5/8
〃 29	29	40	61	350	18	20	···
〃 32	32	44	67	380	20	22	3/4

All dimensions except openings are only approximate ones.

T.C. KYOTO— K.T.C. KYOTO— K.T.C. KYOTO— K.T.C. KYOTO—
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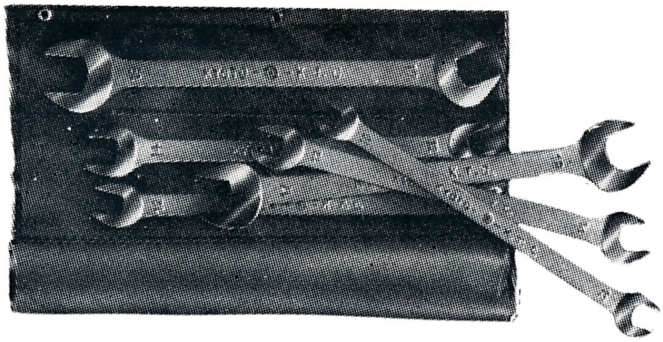
K.T.C. Tappet Wrenches

Pairs with three different sizes

Designed especially for tappet adjusting, every wrench in this line a different size opening in each end Openings are precisionmilled at a 15° angle in one end. They are dropforged of K. T. C. Steel and carefully heat-treated. Exceptionally long and thin, they have "pear-shaped" heads. Finished in brilliant Nickle plate with polished heads.



Type No. T-8B 6-Pc. Set Tappet Wrench (Inch Size)

Stock No.	Size of Openings in inches	Head Thickness	Overall Length	S. A. E.	U. S. S. Nut	U. S. S. Cap Sc.
CT 1416	7/16 × 1/2	4	210	1/4 & 5/16	··· 1/4	1/4 & 5/16
〃 1614	1/2 × 7/16	4	210	5/16 & 1/4	1/4 ···	5/16 & 1/4
〃 1718	17/32 × 9/16	4	215	··· 3/8	··· ···	··· 3/8
〃 1817	9/16 × 17/32	4	215	3/8 ···	··· ···	3/8 ···
〃 2022	5/8 × 11/16	4.5	235	7/16 ···	··· 3/8	7/16 ···
〃 2220	11/16 × 5/8	4.5	235	··· 7/16	3/8 ···	··· 7/16

Type No. T-8C (m/m Size)

Millimetre size set used for Toyota and European car.

Stock No	Size of Openings in m/m	Head Thickness	Overall Length	S. A. E.	U. S. S. Nut	U. S. S. Cap Sc.
MCT 1012	10 × 12	4	210	6 ···	··· 8	··· ···
〃 1210	12 × 10	4	210	··· 6	8 ···	··· ···
〃 1214	12 × 14	4	215	··· 8	8 & 10	··· ···
〃 1412	14 × 12	4	215	8 ···	10 & 8	··· ···
〃 1719	17 × 19	4.5	235	10 ···	··· 12	3/8 & 7/16
〃 1917	19 × 17	4.5	235	··· 10	12 ···	7/16 & 3/8

All dimensions except openings are only approximate ones.

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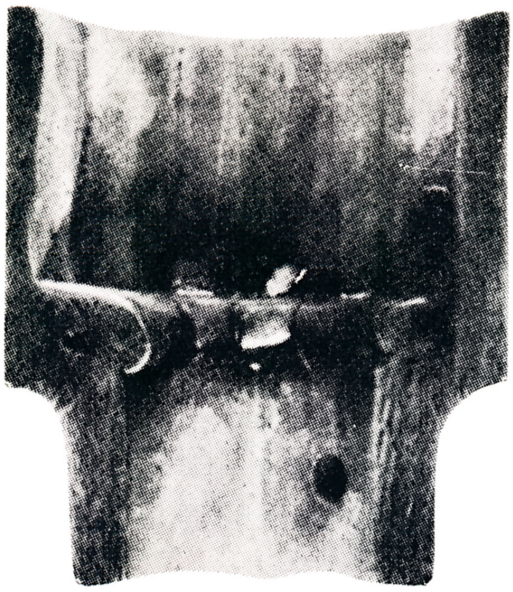
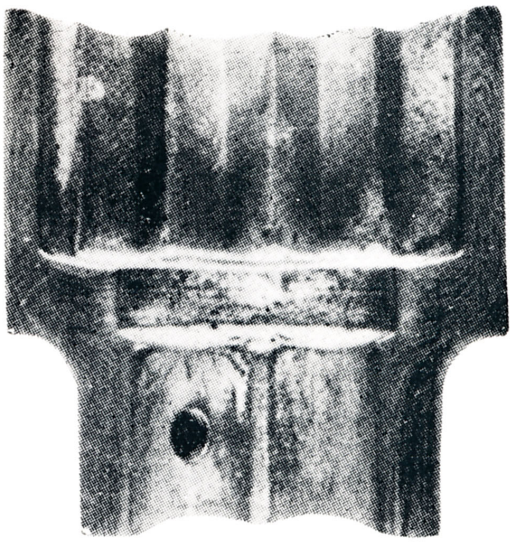
The new socket wrench as introduced above possesses all the new features and excellence so far never made in any country of the world. The new manufacturing method and design has been the outcome of more than a year's efforts by the technical group of our company the result of numerous experiments and painstaking research. The product has strength, beauty and is light in weight.

The above photo and the description will naturally explain its superiority over other makes.

By using the new manufacturing method we have succeeded in using only 50% of the material, saved approximately 30% in the process so that the cost price has been cut down considerably.



OLD SOCKET WRENCHE



NEW SOCKET WRENCHE

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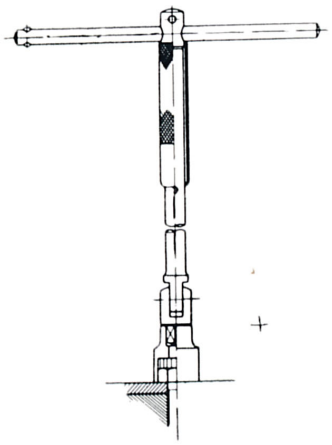
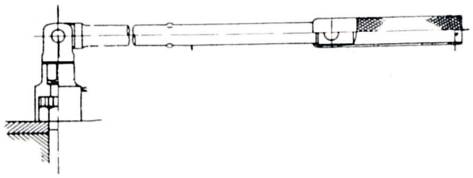
HIGHLIGHTS OF THE NEW METHOD

1. No shaven residue gathers at the bottom of the socket with the result that no acid remains in the plating process, which means it is non-corrosive.

   The plating gives the inside a beautiful finish as well as the outside.

2. The length of the wrench has been shortened thus making it lighter.
3. It is specially treated to make the flowline run in line with the contour of the wrench. Moreover the fiber of both sides run like wood grain, hence its durability.





FEATURES OF THE NEW PRODUCT

1. The handle may be lengthened or shortened as required. By lengthening the handle as in A above, firm tightening is possible.
2. Speedy tightening work can be done quickly and easily because the handle slides to a firmhold as in B above.
3. The case for the wrench is much shorter than heretofore because the handle can be shortened.
4. The fork and the driver sections are forged for extradurability.

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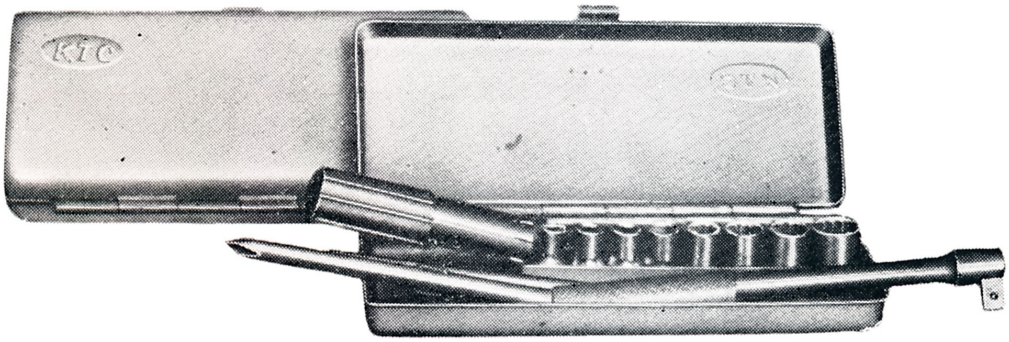
K.T.C. Ignition Socket Wrenches

No. 4247

6.3 m/m (1/4) Square Drive 8 pieces

The K.T.C. Ignition Socket Wrench Set contains the most necessary extra-small 1/4″ square drive sockets and attachments
Designed for electrical, radio, ignition work, etc. Packed in a metal case 6″L × 2 3/4″W × 1″H contents are as follows:



8-Pc. Set Ignition Socket Wrench

Type No. T-20B (Inch Size)

Stock No.	Description
H I 6	3/16 Hexagon Socket
H I 7	7/32 〃
H I 8	1/4 〃
H I 9	9/32 〃
H I 10	5/16 Double Hexagon Socket
H I 11	11/32 〃
H I 12	3/8 〃
H I 14	7/16 〃
T 20— 1	Nut Spinner Handle 150 long
T 20— 2	Handle 100 long
T 20— 3	Screw driver 50
T 20—M	Metal case 150L × 60W × 25H

Type No. T-20C (m/m Size)

Millimetre size set used for Toyota and European car.

Stock No.	Description
MHI 4	4 Hexagon Socket
MHI 5	5 〃
MHI 6	6 〃
MHI 7	7 〃
MHI 8	8 Double Hexagon Socket
MHI 9	9 〃
MHI 10	10 〃
MHI 12	12 〃
T 20— 1	Nut Spinner Handle 150 long
T 20— 2	Handle 100 long
T 20— 3	Screw driver 50
T 20—M	Metal case 150 × 60W × 25

All dmensions except openings are only approximate ones.

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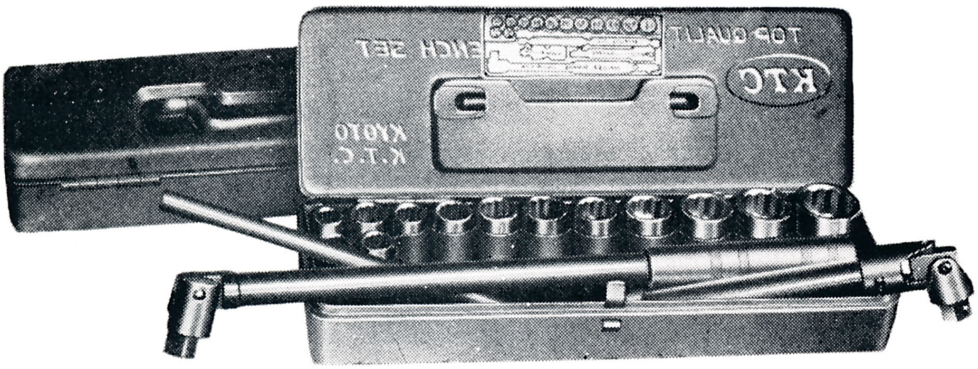
13-Pc. Set Socket Wrench

㊐ No. 4247

Type No. T-31B



Specification of socket wrench set one each all units 12.7m/m (½) square drive,

Stock No.	Size of openings in inches	Outside diameter Socket end	Outside diameter Drive end	Overall Length	S.A.E.	U.S.S. Nuts	U.S.S. Cap Sc	American Standard Nut	American Standard
H A 12	3/8	14	21.5	36	...	...	...	...	...
〃 14	7/16	16	21.5	36	1/4	...	1/4	1/4	1/4
〃 16	1/2	18	21.5	36	5/16	1/4	5/16	...	5/16
〃 18	9/16	20	21.5	37	3/8	...	3/8	5/16	3/8
〃 19	19/32	21	22	37	...	5/16	...	...	...
〃 20	5/8	23	22	39	7/16	...	7/16	3/8	7/16
〃 22	11/16	24	22	39	...	3/8	...	...	...
〃 24	3/4	26	24.5	39	1/2	...	1/2	7/16	1/2
〃 25	25/32	27	24.5	39	...	7/16	...	...	...
〃 26	13/16	28	24.5	40	...	...	9/16	1/2	9/16
〃 28	7/8	30	24.5	41	9/16	1/2	5/8	9/16	5/8
〃 30	15/16	32	24.5	42	5/8	9/16	...	...	...
〃 32	1	34	24.5	44	...	...	3/4	5/8	3/4
T 31 — 1	Nut spinner handle 310m/m ~ 380m/m long								
〃 — 2	Bar 250m/m long								
〃 — 3	Extension bar 150m/m long								
〃 — 4	Universal joint ½″ Square drive								
B — M	Metal case 300m/m × 100m/m × 50m/m								

All dimensions except openings are only approximate ones.

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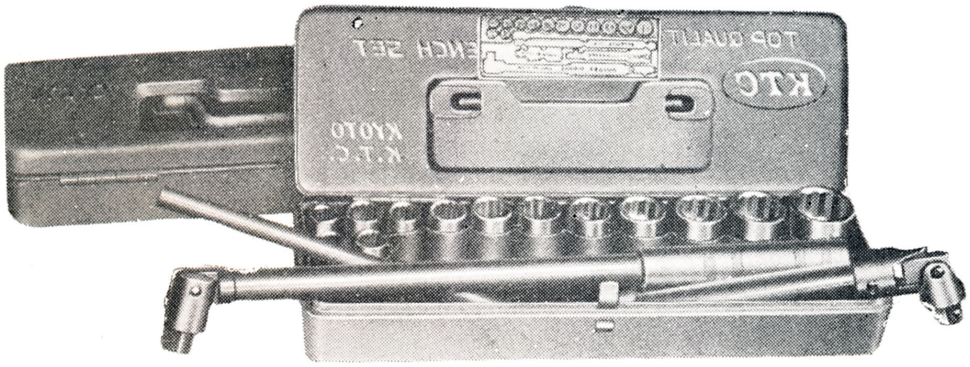
13-Pc. Set Socket Wrench

Type No. T-31C

㊐ No.4247

Millimetre size set used for Toyota and European car.



Specification of sockct wrench set one each all units 12.7(½) square drive.

Stock No.	Size of openings in m/m	Outside diameter		Overall Length	S.A.E.	U.S.S. Nuts	U.S.S. Cap Sc
		Socket end	Drive end				
MHA 10	10	14.5	21.5	36	6	···	···
〃 14	(11)	16	21.5	36	···	···	···
〃 12	12	17	21.5	36	···	8	···
〃 16	(13)	18	21.5	36	···	···	···
〃 14	14	19.5	21.5	37	8	10	···
〃 18	(14.5)	20	21.5	37	···	···	···
〃 20	(16)	23	22	39	···	···	···
〃 17	17	23.5	22	39	10	···	⅜
〃 22	(17.5)	24	22	39	···	···	···
〃 19	19	26	24.5	39	···	12	(7/16)
〃 21	21	28.5	24.5	40	12	14	½
〃 23	23	31	24.5	41	14	16	···
〃 26	26	35	24.5	44	16	18	⅝
T31 — 1	Nut spinner handle 310m/m ~ 380m/m long						
〃 — 2	Bar 250m/m long						
〃 — 3	Extenison bar 150m/m long						
〃 — 4	Universal joint ½″ Square drive						
〃 C-M	Metal case 300L × 100W × 50H						

All dmensiongs except openings are only approiximate ones.

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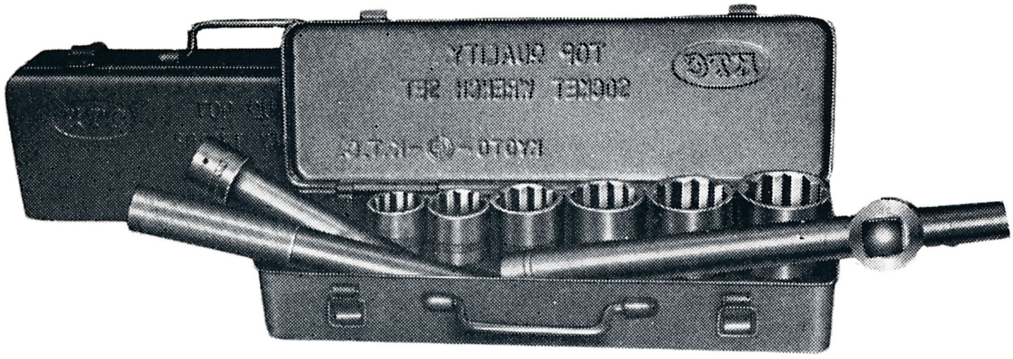
Extra Heavy Duty Socket Wrench Set

No. 4247



Specification of socket wrench set one each all units 19.0 m/m (3/4") square drive.

Type No. T-40B 8-Pc. Set (Inch size)

Stock No.	Openings in inches	Overall Length	S.A.E.	U.S.S. Nuts	U.S.S. Cap Sc	American Standard Nut	American Standard Cap Sc.
H H 34	1 1/16	51	3/4	5/8	...	...	...
〃 36	1 1/8	52	...	...	2/8	3/4	7/8
〃 37	1 3/16	54	...	...	...	...	...
〃 40	1 1/4	55	7/8	3/4	...	...	...
〃 44	1 3/8	57	...	...	...	...	...
〃 46	1 7/16	〃	1	7/8	...	...	...
〃 48	1 1/2	60			1 1/8	7	1 1/8
〃 52	1 5/8	64	1 1/8	1	...	...	...
T40 — 1	Heavy Duty Sliding Bar 510 m/m long						
〃 — 2	Heavy Duty Extension Bar 200 m/m long						
〃 — M	Metal Case 335 m/m × 100 m/m × 67 m/m						

Type No. T-40C 6-Pc. Set (m/m Size)

Millimetre size set used for Toyota and European car.

Stock No.	Size of Openings in m/m	Overall Length	S.A.E.	U.S.S. Nuts	U.S.S. Cap Sc.
MHH 26	26	51	16	18	5/8
〃 29	29	52	18	20	...
〃 32	32	55	20	22	3/4
〃 35	35	57	22	24	7/8
〃 38	38	60	24	...	...
〃 41	41	64	(27)	...	1
T40 — 1	Heavy Duty Sliding Bar 510 m/m long				
〃 — 2	Heavy Duty Extension Bar 200 m/m long				
〃 C-M	Metal Case 67 m/m × 100 m/m H × 335 m/m				

All dimensions except openings are only approximate ones.

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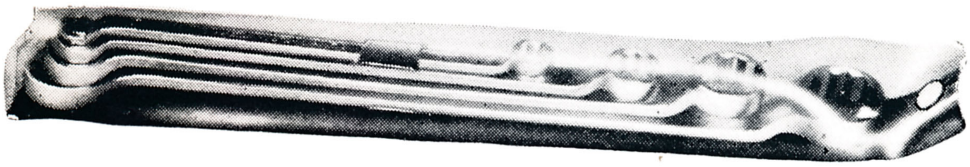
K.T.C. Double Offset Boxsocket Wrenches

K.T.C. Box Wrenches, drop-forged of our Steel, are thin, long and light in weight. Different size double hexagon openings are broached in each end of the wrench. Box wells are thin but still have the exceptional strength of all K.T.C. Wrenches. Handles are oval, permitting a firm, comfortable grip. All wrenches are nickel plated, with heads buffed to a high.



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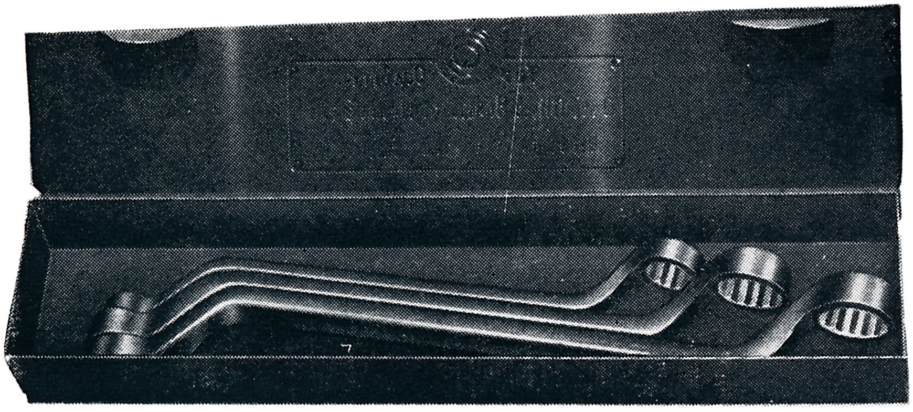
3-Pc. Set Double Offset Boxsocket Wrench Set

No. 4251



Type No. T-51 (Inch Size)

Stock No.	Size of Openings in inches	Diameter of Head	Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
OS 1214	3/8 × 7/16	15 × 17	180	… 1/4	… …	… 1/4
OS 1618	1/2 × 9/16	19 × 21	200	5/16 & 3/8	1/4 …	5/16 & 3/8
OS 2022	5/8 × 11/16	23 × 25	220	7/16 …	… 3/8	7/16 …
T51 — M	Metal case 256m/m × 50m/m × 30m/m					

Type No. T-61 (m/m Size)

Millimetre size set used for Toyota and Eurpeancar

Stock No.	Size of Openings in m/m	Diameter of Head	Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
MOS 1012	10 × 12	15.5 × 18	180	6 …	… 8	… …
MOS 1214	12 × 14	18 × 21	200	… 8	8 & 10	… …
MOS 1417	14 × 17	21 × 25	220	8 & 10	10 …	… 3/8
T 6 1 — M	Metal case 200m/m × 50m/m × 30m/m					

All dimensions except openings are only approximate ones.

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6Pc. Set Double Offset Boxsocket Wrench Set

No. 4251

Type No. T-52 (Inch Size)

Stock No.	Size of Openings in inches	Diameter of Head	Overall Length	S.A.E.	U.S.S. Nut	U.S.S. Cap Sc.
OS 1214	3/8 × 7/16	15 × 17	180	… 1/4	… …	… 1/4
OS 1618	1/2 × 9/16	19 × 21	200	5/16 & 3/8	1/4 …	5/16 & 3/8
OS 2022	5/8 × 11/16	23 × 25	220	7/16 …	… 3/8	7/16 …
OS 2425	3/4 × 25/32	27.5 × 28.5	245	1/2 …	… 7/16	1/2 …
OS 2628	13/16 × 7/8	29.5 × 31.5	280	… 9/16	… 1/2	9/16 & 5/8
OS 3032	15/16 × 1	33.5 × 35.5	320	5/8 …	9/16 …	… 3/4
T 5 2 — M	Metal case 370m/m × 105m/m × 40m/m					

Type No. T-62 m/m Size)

Millimetre size set used for Toyota and Eurpean car.

Stock No.	Size of Openings in m/m	Diameter of Head	Overall Length	S.A.E	U.S.S. Nut	U.S.S. Cap Sc.
MOS 1012	10 × 12	15.5 × 18	180	6 …	… 8	… …
MOS 1214	12 × 14	18 × 21	200	… 8	8 & 10	… …
MOS 1417	14 × 17	21 × 25	220	8 & 10	10 …	… 3/8
MOS 1719	17 × 19	25 × 27.5	245	10 …	… 12	3/8 & 7/16
MOS 1921	19 × 21	27.5 × 30	280	… 12	12 & 14	(7/16) & 1/2
MOS 2326	23 × 26	32.5 × 36.5	320	14 & 16	16 & 18	… 5/8
T 6 2 — M	Metal case 370m/m L × 105m/m W × 40m/m H					

All dimensions except openings are only approximate ones.

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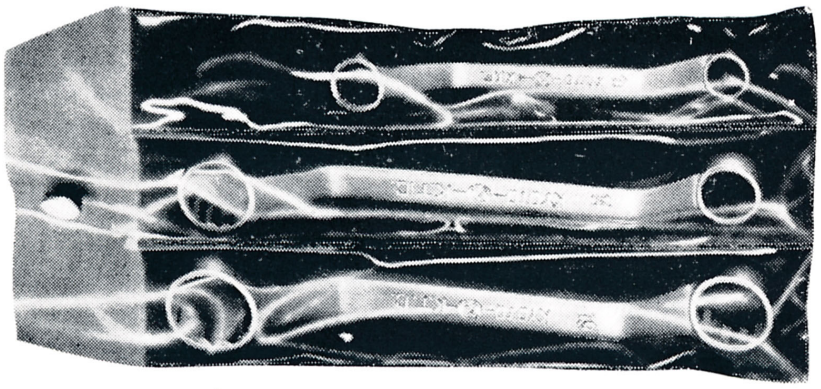
3-Pc. Set Double Offset Boxsocket Wrench Set

(Short Type) No.4251

This style Boxsocket gives the mechanic a short sturdy wrench for use in close corner jobs, such as manifolds, starter, generator, water pump, distributor mounings, universal joints, and many other similar jobs.
Each end has a different size opening and is offset, as illustrated, to clear obstructions The most popular and needed sizes are included, and there are plenty of special jobs that each size will do.



Type No. T-54 (Inch Size)

Stock No.	Size Openings in inches	Diameter of Head	Overall Length	S. A. E.	U. S. S. Nut	U. S. S. Cap Sc.
O D 1214	3/8 × 7/16	14.1 × 16.3	105	… 1/4	… …	… 1/4
O D 1618	1/2 × 9/16	19 × 21	135	5/16 & 3/8	1/4 …	5/16 & 3/8
O D 2024	5/8 × 3/4	22.8 × 27.4	155	7/16 …	… …	7/16 & 1/2

Type No. T-64 (m/m Size)

Millimeter size set used for Toyota and Eurpean car.

Stock No.	Sise of Openings in m/m	Diameter of Head	Overall Lnegth	S. A. E.	U. S. S. Nut	U. S. S. Cap Sc.
MOD 1012	10 × 12	15.1 × 18.5	105	6 …	… 8	… …
MOD 1417	14 × 17	21 × 24.5	150	8 & 10	10 …	… 3/8
MOD 1921	19 × 21	28 × 32	155	… 12	12 & 14	7/16 & 1/2

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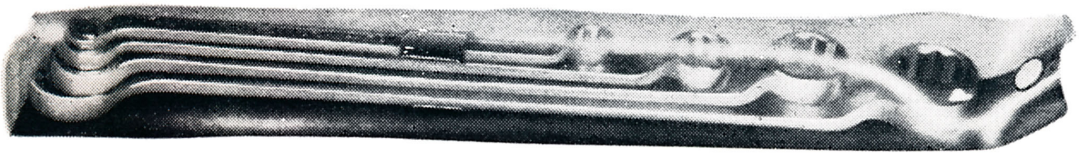
15° Angle 3-pc. set
4-pc. set
Double Offset Boxsocket Wrench set

This new designed 15° angle boxsocket has small outside diameter of head and gives comfortable grip, in vinyl case.



T-163

Stock No.	Size of Openings in m/m	Diameter of Head	Overall Length
O A 1012	10 × 12	15 × 18	190
O A 1417	14 × 17	20.5 × 24.5	230
O A 1921	19 × 21	27 × 29.5	270
T163— C	clamp		

T-164

Stock No.	Size of Openings in m/m	Diameter of Head	Overall Length
O A 1012	10 × 12	15 × 18	190
O A 1417	14 × 17	20.5 × 24.5	230
O A 1921	19 × 21	27 × 29.5	270
O A 2326	23 × 26	32 × 36	320
T164— C	clamp		

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"T" Handle Socket Wrench

Type No. T-70B (Inch Size)

Hexagon Openings

Stock No.	Opening	Head Diameter	Approx. Length
T H 10	5/16	12.5	250
〃 12	3/8	14.5	〃
〃 13	13/32	16	〃
〃 14	7/16	17	〃
〃 16	1/2	19	〃
〃 18	9/16	21	260
〃 19	19/32	22	〃
〃 20	5/8	23	300
〃 22	11/16	25	〃
〃 24	3/4	28	〃
〃 25	25/32	29	〃

Type No. T-70C (m/m Size)

Hexagon Openings

Millimetre size set used for Toyota and European car

Stock No.	Opening	Head Diameter	Approx. Length
M T H 08	8	12.5	250
〃 09	9	14	〃
〃 10	10	15.5	〃
〃 12	12	18	〃
〃 14	14	20.5	〃
〃 17	17	24.5	300
〃 19	19	28	〃
〃 21	21	30.5	〃
〃 23	23	33	〃

All dimension except openings are only approximate ones.

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Offset Handle Socket Wrench

Type No. T-71B (Inch Size)

Hexagon openings

Stock No.	Opening	Head Diameter	Extreme Approx. Length
L H 10	5/16	13.5	200
〃 12	3/8	15.5	〃
〃 13	13/32	16.5	〃
〃 14	7/16	17.5	〃
〃 16	1/2	19.5	250
〃 18	9/16	22.0	〃
〃 19	19/32	23.0	〃
〃 20	5/8	24.0	300
〃 22	11/16	26.5	〃
〃 24	3/4	29.0	〃

Type No. T-71C (m/m Size)

Hexagon Openings

Millimetre size set used for Toyota & European car.

Stock No.	Opening	Head Diameter	Approx. Length
M L H 08	8	13.5	200
〃 10	10	16.0	〃
〃 12	12	19.5	250
〃 14	14	21.5	〃
〃 17	17	26.0	300
〃 19	19	29.0	〃
〃 21	21	21.5	〃
〃 23	23	34.0	〃

All dimensions except openings are only approximate ones.

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"L" Handle Socket Wrench

Size assortment will be changed by your order.

Type No. T-72B (Inch Size)

Hexagon Openings.

Stock No.	Opening	Head Diameter	Approx. Length
LW 1012	5/16 × 3/8	13.5 × 15.5	110 × 150
〃 1314	13/32 × 7/16	16.5 × 17.5	120 × 170
〃 1618	1/2 × 9/16	19.5 × 22	140 × 200
〃 1922	19/32 × 11/16	23 × 26.5	160 × 220
〃 2025	5/8 × 25/32	24 × 29	200 × 240
〃 2428	3/4 × 7/8	29 × 33	200 × 260

Type No. T-72C (m/m Size)

Hexagon Openings.

Millimetre size set used for Toyota and European car.

Stock No.	Opening	Head Diameter	Approx. Length
MLW 0809	8 × 9	13.5 × 15	100 × 150
〃 1012	10 × 12	16 × 19.5	140 × 200
〃 1214	12 × 14	19.5 × 21.5	140 × 200
〃 1417	14 × 17	21.5 × 26	160 × 220
〃 1719	17 × 19	26 × 29	180 × 240
〃 1921	19 × 21	29 × 31.5	200 × 260
〃 2123	21 × 23	31.5 × 34	200 × 260

All dimensions except openings are only aproximate ones.

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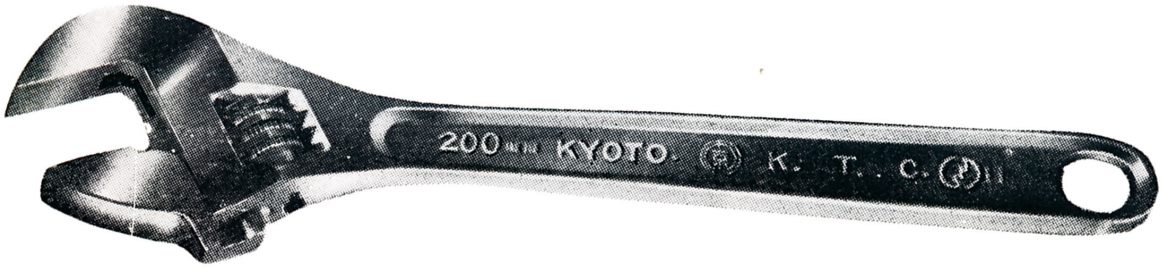
K.T.C. Open End Adjustable Wrenches

No. 3523

K.T.C. Open End Adjustable Wrenches are designed to fit either square or hexagon nuts. They are drop forged of special alloy steel, fully nickel-plated, with polished jaws. Both handle and jaw are hardened and tempered in oil. They will not break or wear in the gear teeth and allow play in the wrench, permitting the jaw to slip off the nut. Four tempered threads meshing in the forged jaw permit great pressure on the handle.



Type No. T-80 Duty Type

Stock No.	Size (length)	Max. Opening
A G 3 2 0 6	1 5 0 m/m	1 8 . 5
〃 3 2 0 8	2 0 0 m/m	2 3 . 5
〃 3 2 1 0	2 5 0 m/m	2 8
〃 3 2 1 2	3 0 0 m/m	3 3 . 5

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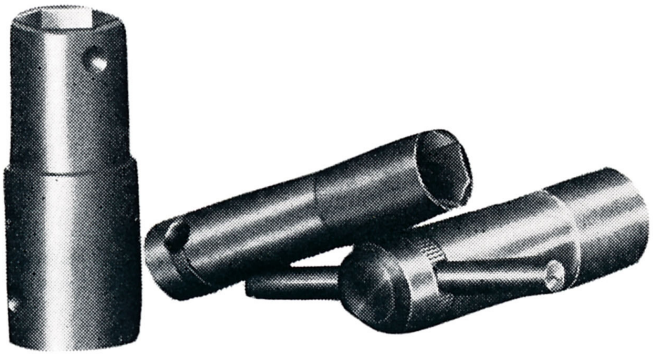
Type No. T-86 Regular Combination Plier

No. 3487
PAT. No. M399238

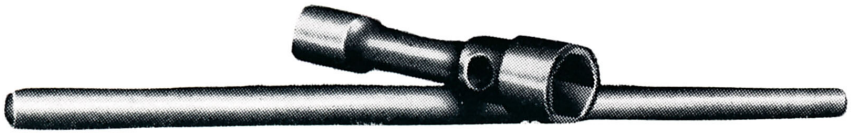
These pliers are improved in the joining of the pair by adopting a connection by male and female bosses made in each body, in order to give a strong fulcrum which many cover all the faults of the former joining by pin.
We believe that these new pliers will completely meet your demands and give many advantages under using.
Made from drop-forged steel. Hardened and oil tempered.

Type No. T-38 Plug Wrench

All openings are accurately broached with straight deep walls. Will fit practically all plugs.
A high grade well made wrench.



Type No. T-32
Wheel Nut Wrenches for Automobiles



Stock No.	Nominal Opening Size	Overall Length
H T M 2038 S	20 Sq × 38 Hex.	2 9 0
〃 2038 L	20 〃 × 38 〃	4 4 0
〃 2138	21 〃 × 38 〃	4 4 0
〃 2141	21 〃 × 41 〃	4 4 0
〃 2932 S	29 Hex × 32 〃	3 2 0
〃 2932 L	29 〃 × 32 〃	4 4 0
〃 2326	23 〃 × 26 〃	2 5 0
〃 2123	21 〃 × 23 〃	2 3 0
〃 1921	19 〃 × 21 〃	2 3 0
T M 19	19 Hex	2 0 0
〃 21	21 〃	2 0 0
〃 23	23 〃	2 0 0

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K.T.C. Ratchet Handles

The principles of design and construction embodied in K.T.C. Reversible Ratchets have been tested and proved for several years on the torture rack of every day professional use and abuse.

Improvements have continually been made, and today the Ratchet Wrench built by K.T.C. is regarded by mechanics in all fields of work as the outstanding tool of its type The convenience of the reverse action must be experienced to be properly appreciated……no push-through plug to bother with……no stopping to change socket from one side of the wrench to the other…… it never leaves the nut until the operation is completed. Reversing action is simple and smooth acting it works with only a 8° handle movement……all working parts are accurately heat treated, machined, and finished.

Stock No.	Square drive	Overall Length
T 31 — 5	12.7 (½)	2 7 0
T 23 — 5	9.5 (⅜)	1 7 0
T 20 — 4	6.3 (¼)	1 2 5

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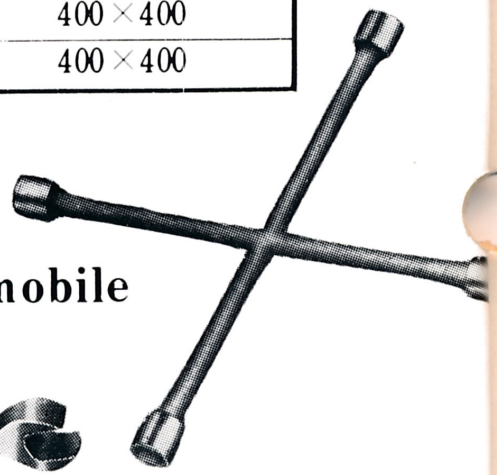
Type No. T-79 Cross Rim Wrench

Stock No.	Nominal Opening Size	Overall Length
T 7 9 B	5/8 × 3/4 × 13/16 × 7/8″	400 × 400
T 7 9 C − 1	14 × 17 × 19 × 21 m/m	400 × 400
T 7 9 C − 2	19 × 21 × 23 × 26 m/m	400 × 400

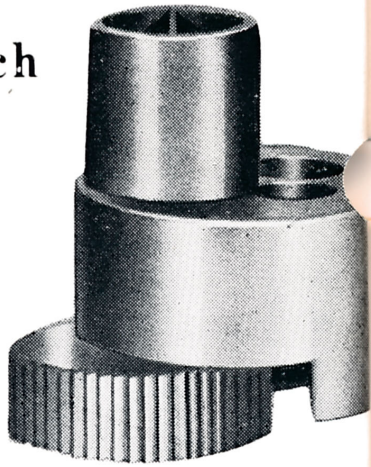


Type No. T-10

U Bolt Nut Wrenches for Automobile

Stock No.	Nominal Opening Size	Overall Length
C U M 2326	23 × 26	570
〃 2332	23 × 32	600
〃 2632	26 × 32	600
〃 2932	29 × 32	600
〃 3235	32 × 35	620
O C U M 2635	26 × 35	600
C U 3034	15/16 × 1 1/16″	570
O C U 3042	15/16 × 1 5/16″	600

Type No. T-121 Stud Wrench



Made for use with ½″ square drive handles and attachments, this stud wrench is found indispensable by mechanics for removing and setting studs.

Designed to take studs from 5/16″ to 3/4″ in diameter, it has an eccentrically mounted roller with a deeply milled edge which provides a non-slipping, non-burring, grpping device. Made entirely of K.T.C. Alloy Nickel plated.

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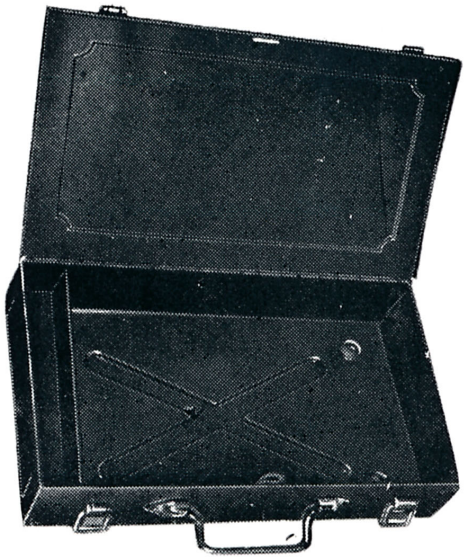
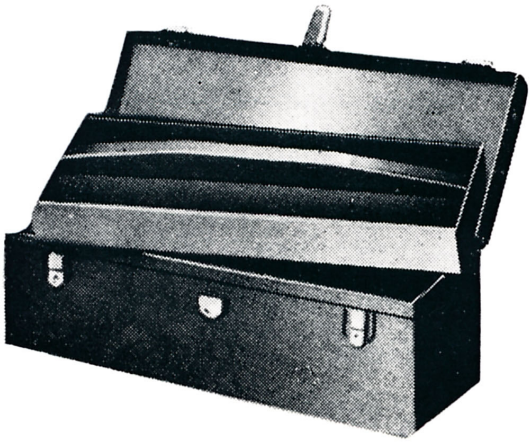
K.T.C. Mechanikits

Type No. T-200 Mechanikit

This metal kit provides a convenient carrying case as well as a safe place for the tools when not in use measures 6″×4⅜″×14″ (T 200A) and 7⅞″×2⅞″×14″ (T 200B). Grey or other enamel finish.



Type No. T-201 Mechanikit



Big enough to accommodate theaverage mechanic's small tool equipment. A separate tool tray offers a convenient means of carrying neccessary units right to the job. Fitted with strong hinges, two suitcase type fasteners and strong hasp padlocking. It's the equal in quality of many boxes double the price. Measures 20″×7¾″×5½″. Tray 19″×7″×2½″. Grey or other enamel finish.

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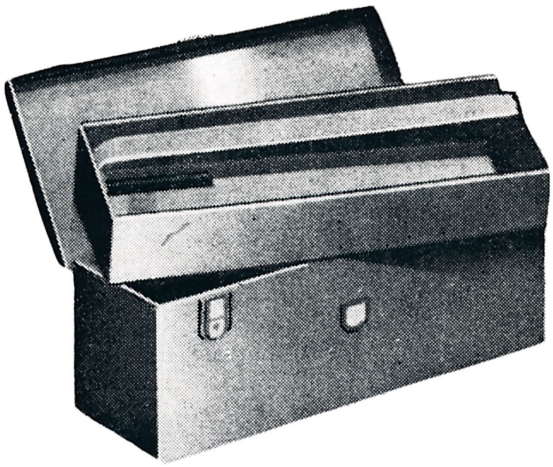
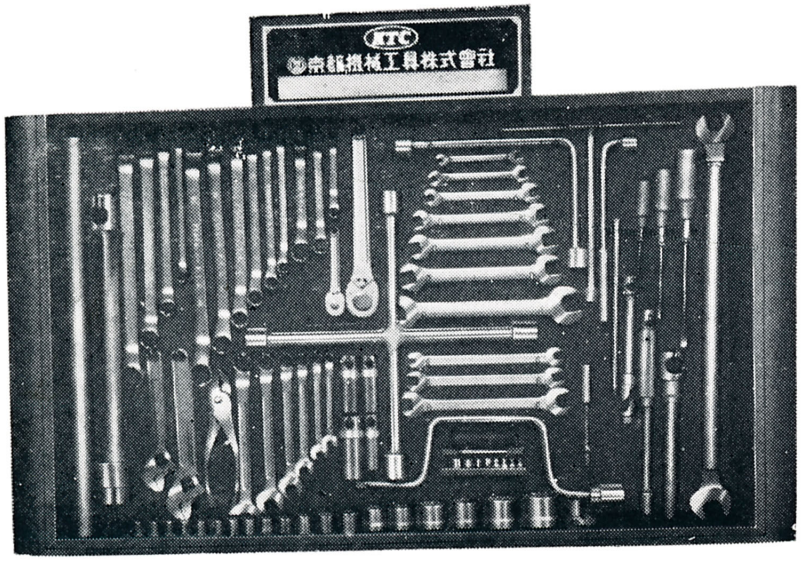
Type No. T-202 Mechanikit



The best box we ever built at anywhere near this price. It's a good strong tool box and big enough to take a good size kit of small tools. Spot welded for strength, and fitted with three good hinges, large leather carrying handle, two fasteners and a sturdy lock hasp. Measures 21¼″ × 8¾″ × 7⅛″ Carring tray olds the tools you need at hand on the job. 4 compartments in tray. Tray 20¼″×8″×2″. Finished in grey or other enamel.

Type No. T-205 Mechanikit



This mechanikit is very convenient one that includes almost all the small tooks generally used in every factory.

We believe firmly, if you have "This Mechanikit" for your factory use you will find as necessary one and surprising result in smoothly finishing of slightly repair and adjust.

All tools expropriated in this cabinet are arranged on hanging by hooks or on settled spaces in order.

The cabinet is welded very solidly and finished with enamel of beatiful grey or other colours.

It is the size of 6″W 24½″H and 39½ ″L and is designed as the mineum size to be able to install on any place.

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Chart of Wrench and Socket Openings and Sizes. of Bolts and Nuts they fit

Wrench Opening	American Standard Reg. Bolts	American Standard Reg. Nuts, Size Bolts	Amer. Std. Heavy Nuts (U.S.S.) Size Bolts	Amer. Std. Light Nuts (S.A.E.) Jam Nuts Castle Nuts and Slotted Nuts, Size Bolts	Cap Screws	Set Screws	Machine Screw Nuts and Stove Bolt Nuts	Wrench Opening
5/32							No.0 & No.1	5/32
3/16							No.2 & No.3	3/16
1/4						1/4	No.4	1/4
5/16						5/16	No.5 & No.6	5/16
11/32							No.8	11/32
3/8	1/4					3/8	No.10	3/8
7/16		1/4		1/4	1/4	7/16	No.12&No.14	7/16
1/2	5/16		1/4	5/16	5/16	1/2		1/2
9/16	3/8	5/16		3/8	3/8	9/16	5/16	9/16
19/32			5/16					19/32
5/8	7/16	3/8		7/16	7/16	5/8	3/8	5/8
11/16			3/8					11/16
3/4	1/2	7/16		1/2	1/2	3/4		3/4
25/32			7/16					25/32
13/16		1/2			9/16			13/16
7/8	9/16	9/16	1/2	9/16	5/8	7/8		7/8
15/16	5/8		9/16	5/8				15/16
1		5/8			3/4	1		1
1 1/16			5/8	3/4				1 1/16
1 1/8	3/4	3/4			7/8	1 1/8		1 1/8
1 1/4			3/4	7/8		1 1/4		1 1/4
1 5/16	7/8	7/8			1			1 5/16
1 3/8						1 3/8		1 3/8
1 7/16			7/8	1				1 7/16
1 1/2	1	1			1 1/8	1 1/2		1 1/2
1 5/8			1	1 1/8				1 5/8
1 11/16	1 1/8	1 1/8			1 1/4			1 11/16
1 13/16			1 1/8	1 1/4				1 13/16
1 7/8	1 1/4	1 1/4						1 7/8
2			1 1/4	1 3/8				2
2 1/16	1 3/8	1 3/8						2 1/16
2 3/16			1 3/8	1 1/2				2 3/16
2 1/4	1 1/2	1 1/2						2 1/4
2 3/8			1 1/2					2 3/8
2 7/16	1 5/8	1 5/8						2 7/16
2 9/16			1 5/8					2 9/16
2 5/8	1 3/4	1 3/4						2 5/8
2 3/4			1 3/4					2 3/4
2 13/16	1 7/8	1 7/8						2 13/16
2 15/16			1 7/8					2 15/16
3	2	2						3
3 1/8			2					3 1/8
3 3/8	2 1/4	2 1/4						
3 1/2			2 1/4					
3 3/4	2 1/2	2 1/2						
3 7/8			2 1/2					
4 1/8	2 3/4	2 3/4						
4 1/4			2 3/4					
4 1/2	3	3						
4 5/8			3					
5			3 1/4					
5 3/8			3 1/2					
5 3/4			3 3/4					
6 1/8			4					

This catalogue will be altered without any notice.

it's Kyoto R.T.C.

IT'S THE BEST

京都機械工具株式會社

Additional Notes to Pages 2,3,& 5.

Pages 2 & 3

Type No. T-9S (m/m size)

Type No. T-9L (m/m size)

Many different combinations are availables shown below.

Standard combinations are T-9S-1 and T-9L-1 (6pcs. set) but, as per the following list, combination contents will be changed according to your order.

Combination list for T-9S and T-9L

Article No.	T-9 S-1	T-9 S-2	T-9 S-3	T-9 S-4	T-9 S-5	T-9 S-6	T-9 S-7
	T-9 L-1	T-9 L-2	-	-	-	-	-
Quantity	6	6	6	6	5	5	8
Size							
6 × 7			○	○			○
8 × 9	○	○	○	○	○	○	○
10 × 12	○	○	○	○	○	○	○
12 × 14	○	○	○		○		○
14 × 17	○	○		○		○	○
17 × 19	○		○		○		○
19 × 21		○		○		○	
21 × 23	○		○		○		○
23 × 26		○		○		○	○

Page 5

Type No. T-5D (m/m size)

This is 6pcs. set.

Standard contents are Stock Nos MCOD 10, 12, 14, 17, 19, 21, but theses may be changed according to individual orders.